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Angie

RECEIVED
APR 22 2009
INDUSTRIAL DEPARTMENT

PRETREATMENT MONITORING REPORT

NAME: Crompton Colors Incorporated

MAILING ADDRESS: 199 Benson Road, Mail Stop 2-4, Middlebury CT 06749-0001

FACILITY LOCATION: 52 Amsterdam Street, Newark NJ

CATEGORY & SUBPART: Unknown OUTLET #: 1

CONTACT OFFICIAL: Mr. George Collentine TELEPHONE: (203) 573-2825

NEW CUSTOMER ID / OUTLET ID: 20630008-1 OLD OUTLET DESIGNATION: 1

MONITORING PERIOD

Start			End		
03	01	09	03	31	09
MO	DAY	YR	MO	DAY	YR

	Average	Maximum
Regulated Flow-gal/day	2111	2111
Total Flow-gal/day	~~2111~~ 2164	~~2111~~ 2380

Method Used: Electromagnetic flowmeter (Toshiba Model #GF632) and remote converter/display (Toshiba Model #LF602F)
Begin meter reading on 2/27/09 @ 3:00 PM. End meter reading was estimated at 3/31/09 @ 9:45 AM (see cover letter explanation).

Production Rate (if applicable) Not Applicable

PARAMETER		MASS OR CONCENTRATION			# OF	SAMPLE TYPE
		MON AVG	MAXIMUM	UNITS	SAMPLES	COMP/GRAB
Biochemical Ox (BOD_5)	Sample Measurement	92.3	92.3	mg/l	1	Grab
	Permit Requirement	0 (No Limit)		mg/l		
Cadmium	Sample Measurement	< 0.00040	< 0.00040	mg/l	1	Grab
	Permit Requirement	0.19		mg/l		
Copper	Sample Measurement	0.0215	0.0215	mg/l	1	Grab
	Permit Requirement	3.02		mg/l		
Lead	Sample Measurement	< 0.0027	< 0.0027	mg/l	1	Grab
	Permit Requirement	0.54		mg/l		
Mercury	Sample Measurement	< 0.00010	< 0.00010	mg/l	1	Grab
	Permit Requirement	0.080		mg/l		
Nickel	Sample Measurement	0.0068	0.0068	mg/l	1	Grab
	Permit Requirement	5.9		mg/l		
Zinc	Sample Measurement	0.698	0.698	mg/l	1	Grab
	Permit Requirement	1.67		mg/l		
Non-Polar Material	Sample Measurement	< 10	< 10	mg/l	1	Grab
	Permit Requirement		100	mg/l		
Total Toxic Organics	Sample Measurement	CODE=E	CODE=E	mg/l	1	Grab
	Permit Requirement	0 (No Limit)		mg/l		
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
	Sample Measurement					
	Permit Requirement					
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APR 2009 Industrial Dept. 1st Input

MAY 2009 2nd Input Industrial Dept.

PVSC FORM MR-I REV: 4 6/87 P I

PRETREATMENT MONITORING REPORT

APR 2 2 2009

Certification of Non-Use if applicable (use additional sheets): Not Applicable.

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every parameter used: All reported analytical results comply with permit requirements

Explain Method for preserving samples: Samples were collected in laboratory-supplied containers with the appropriate preservatives (e.g., hydrochloric acid, nitric acid) in accordance with the requirements for the specific analytical methods. Samples were labeled with appropriate information, such as project name, sample identification, collection date and time, and sampler's initials. All containers were placed in an ice-filled cooler until delivery at the laboratory. A completed chain-of-custody form accompanied the samples at all times.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988

Signature of Principal

Executive or Authorized Agent

Mr. George Collentine

Manager

Type Name and Title

4/20/09

Date

PVSC FORM MR-I REV: 5 3/91 P2

Analytical Results Summary

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
Date Analyzed: 04/07/09
GC Column: Rtx-VMS
Instrument ID: VOAMS6.i
Lab File ID: f47445.d

Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 250.0

VOLATILE ORGANICS - GC/MS
METHOD 624

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Chloromethane	ND	110
Bromomethane	ND	110
Vinyl Chloride	ND	60
Chloroethane	ND	110
Methylene Chloride	ND	100
Trichlorofluoromethane	ND	92
1,1-Dichloroethene	ND	120
1,1-Dichloroethane	ND	65
trans-1,2-Dichloroethene	ND	98
cis-1,2-Dichloroethene	ND	70
Chloroform	ND	50
1,2-Dichloroethane	ND	68
1,1,1-Trichloroethane	ND	95
Carbon Tetrachloride	ND	85
Bromodichloromethane	ND	62
1,2-Dichloropropane	ND	120
cis-1,3-Dichloropropene	ND	32
Trichloroethene	ND	90
Dibromochloromethane	ND	68
1,1,2-Trichloroethane	ND	55
Benzene	ND	60
trans-1,3-Dichloropropene	ND	40
2-Chloroethyl Vinyl Ether	ND	62
Bromoform	ND	52
Tetrachloroethene	ND	100
1,1,2,2-Tetrachloroethane	ND	88
Toluene	ND	75
Chlorobenzene	21000	62
Ethylbenzene	ND	100
Xylene (Total)	ND	100

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
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GC Column: Rtx-VMS
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Matrix: WATER
Level: LOW
Purge Volume: 5.0 ml
Dilution Factor: 250.0

VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 624

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Benzene, 1,2-dichloro-	10.84	1000	
2.				
3.				
4.				
5.				
6.				
7.				
8.				
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24.				
25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION: 1000

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
Date Extracted: 04/01/09
Date Analyzed: 04/06/09
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s41506.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 100.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
Phenol	ND	63
2-Chlorophenol	ND	110
2-Nitrophenol	ND	160
2,4-Dimethylphenol	ND	210
2,4-Dichlorophenol	ND	150
4-Chloro-3-methylphenol	ND	170
2,4,6-Trichlorophenol	ND	220
2,4-Dinitrophenol	ND	91
4-Nitrophenol	ND	90
4,6-Dinitro-2-methylphenol	ND	130
Pentachlorophenol	ND	210

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
Date Extracted: 04/01/09
Date Analyzed: 04/06/09
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s41506.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 100.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
N-Nitrosodimethylamine	ND	76
bis(2-Chloroethyl)ether	ND	90
1,3-Dichlorobenzene	ND	99
1,4-Dichlorobenzene	280	93
1,2-Dichlorobenzene	1200	110
bis(2-chloroisopropyl)ether	ND	88
N-Nitroso-di-n-propylamine	ND	76
Hexachloroethane	ND	93
Nitrobenzene	13000	99
Isophorone	ND	97
bis(2-Chloroethoxy)methane	ND	89
1,2,4-Trichlorobenzene	ND	94
Naphthalene	ND	22
Hexachlorobutadiene	ND	62
Hexachlorocyclopentadiene	ND	65
2-Chloronaphthalene	ND	110
Dimethylphthalate	ND	110
Acenaphthylene	ND	12
2,6-Dinitrotoluene	ND	130
Acenaphthene	ND	13
2,4-Dinitrotoluene	ND	120
Diethylphthalate	ND	80
4-Chlorophenyl-phenylether	ND	110
Fluorene	ND	16
N-Nitrosodiphenylamine	ND	110
4-Bromophenyl-phenylether	ND	120
Hexachlorobenzene	ND	33
Phenanthrene	ND	8.2
Anthracene	ND	12
Di-n-butylphthalate	ND	100
Fluoranthene	ND	13
Pyrene	ND	13
Benzidine	ND	740
Butylbenzylphthalate	ND	110

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
Date Extracted: 04/01/09
Date Analyzed: 04/06/09
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s41506.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 100.0

SEMI-VOLATILE ORGANICS - GC/MS
METHOD 625

Parameter	Analytical Result Units: ug/l	Method Detection Limit Units: ug/l
3,3'-Dichlorobenzidine	ND	510
Benzo(a)anthracene	ND	5.2
Chrysene	ND	20
bis(2-Ethylhexyl)phthalate	ND	110
Di-n-octylphthalate	ND	100
Benzo(b)fluoranthene	ND	13
Benzo(k)fluoranthene	ND	9.3
Benzo(a)pyrene	ND	6.2
Indeno(1,2,3-cd)pyrene	ND	8.2
Dibenz(a,h)anthracene	ND	10
Benzo(g,h,i)perylene	ND	9.3
Aniline	17000	55

Client ID: **SysDis033109**
Site: Chemtura Newark

Lab Sample No: **993423**
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09
Date Extracted: 04/01/09
Date Analyzed: 04/06/09
GC Column: DB-5
Instrument ID: BNAMS2.i
Lab File ID: s41506.d

Matrix: WATER
Level: LOW
Sample Volume: 970 ml
Extract Final Volume: 2.0 ml
Dilution Factor: 100.0

SEMI-VOLATILE ORGANICS - GC/MS
TENTATIVELY IDENTIFIED COMPOUNDS
METHOD 625

	COMPOUND NAME	RT	EST. CONC. ug/l	Q
1.	Benzene, chloro-	4.17	12000	
2.				
3.				
4.				
5.				
6.				
7.				
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25.				
26.				
27.				
28.				
29.				
30.				

TOTAL ESTIMATED CONCENTRATION	12000

Client ID: **SysDis033109**
Site: **Chemtura Newark**

Lab Sample No: 993423
Lab Job No: G416

Date Sampled: 03/31/09
Date Received: 03/31/09

Matrix: WATER
Level: LOW

METALS ANALYSIS

Analyte	Analytical Result Units: ug/l	Instrument Detection Limit	Qual	M
Cadmium	ND	0.40		P
Copper	21.5	3.7	B	P
Lead	ND	2.7		P
Mercury	ND	0.10		CV
Nickel	6.8	2.4	B	P
Zinc	698	5.8		P

Qual Column - Data Reporting Qualifiers (See Sec 2 of Report)
M Column - Method Code (See Section 2 of Report)

General Information

Chain of Custody

Chemtura Corporation
199 Benson Road
Middlebury, CT 06749

203.573.2825 **tel**
203.573.2271 **fax**

April 21, 2009

Ms. Saramma John
City of Newark Billing & Customer Service
920 Broad Street
Room 115 – Water Accounting
Newark, NJ 07102

RE: March 2009 Monitoring Reports
Crompton Colors, Incorporated – Newark, NJ
Customer ID 20630008-1
Discharge Begun 17 July 2007

Dear Ms. John:

Chemtura Corporation (Chemtura) has prepared the attached User Charge Self Monitoring Report (PVSC Form MR-2). This form has been executed by Mr. George Collentine of Chemtura Corporation, the corporate successor to Crompton.

The groundwater recovery system has been in continuous operation since 23 April 2008. Upon arrival for the 31 March 2009 meter reading, ERM personnel noted that the security booth may have been vandalized by unknown or unauthorized person(s). Of particular note, the circuit breaker providing power to the flow meter, located in the security booth, was found to be in the 'OFF' position. ERM reset the circuit breaker and read the flow total on the meter. This reading was 657,349 totaling 24,189 gallons discharged, which appears low based on prior reporting months. As such, we have assumed a daily discharge rate of 2,111 gpd, which is our long-term average when operating the system. For the period of 27 February 2009 at 3:00 PM through 31 March 2009 at 9:45 AM, we have calculated a total discharge volume of 67,081 gallons data and this discharge rate.

Please contact me at (203) 573-2825 or me if you have any questions or require additional information.

Sincerely,

George P. Collentine
Environmental Manager

cc: Passaic Valley Sewerage Commissioners
File

enclosures

Apr 16, 2009

ERM
250 Phillips Blvd.
Suite 280
Ewing, NJ 08618

Attention: Mr. Marc Carver

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
777 New Durham Road
Edison, NJ 08817
Tel 732 549 3900
Fax 732 549 3679
www.testamericainc.com
Federal ID #:23-29199996

Laboratory Results
Job No. G416 - Chemtura Newark

Dear Mr. Carver:

Enclosed are the results you requested for the following sample(s) received at our laboratory on March 31, 2009.

Lab No.	Client ID	Analysis Required
993423	SysDis033109	PP VOA+15
		PP BNA+25
		Cd
		Cu
		Pb
		Hg
		Ni
		Zn
		TSS
		BOD
		SGT 1664
		HEM 1664

TestAmerica Edison has following Laboratory Certifications: New Jersey(12028), New York(11452), Pennsylvania(68-00522), Connecticut(PH-0200), Rhode Island(LAO00132)

If you have any questions, please contact me at (732) 549-3900.

Very Truly Yours,

Joy Kelly

Joy Kelly
Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

777 New Durham Road
Edison, New Jersey 08817
Phone: (732) 549-3900 Fax: (732) 549-3679

CHAIN OF CUSTODY / ANALYSIS REQUEST

Page 1 of 1

Name (for report and invoice) Marc Carver	Samplers Name (Printed) Marc Carver	Site/Project Identification Chemtura Newark
Company ERM	P. O. # 94793	State (Location of site): NJ: ☒ NY: ☐ Other:
Address 250 Phillips Blvd, #280	Analysis Turnaround Time Standard: ☒	Regulatory Program:
City Ewing State NJ	Rush Chrages Authorized For: 2 Week ☐ 1 Week ☐ Other ☐	
Phone 609 895 0050 Fax		

Sample Identification	Date	Time	Matrix	No. of Cont.	PPVOA +15	PPBNA +25 with Aniline	BOD	TSS	SGT HEM	Cadmium	Copper	Lead	Mercury	Nickel	Zinc	LAB USE ONLY Sample Numbers
SysDIS033109	3/31/09	0920	Aq	10	X	X	X	X	X	X	X	X	X	X	X	99323
Preservation Used: 1 = ICE, 2 = HCl, 3 = H_2SO_4, 4 = HNO_3, 5 = NaOH Soil:					1,2	1	1	1	1,2	1,4	1,4	1,4	1,4	1,4	1,4	
6 = Other _____, 7 = Other _____ Water:																

Job No: 6416

Special Instructions Standard 2-week TAT

Water Metals Filtered (Yes/No)? _____

Relinquished by	Company	Date / Time	Received by	Company
1) Marc Carver	ERM	3/31/09 16:45	1)	
Relinquished by 2)	Company	Date / Time	Received by 2)	Company
Relinquished by 3)	Company	Date / Time	Received by 3)	Company
Relinquished by 4)	Company	Date / Time	Received by 4)	Company

Laboratory Certifications: New Jersey (12028), New York (11452), Pennsylvania (68-522), Connecticut (PH-0200), Rhode Island (132). TAL - 0016 (0408)

Massachusetts (M-NJ312), North Carolina (No. 578)